

What is claimed is:

1. A motor equipped with a cylindrical inner casing and outer casing partitioned in the direction of the axis of rotation of the motor, a shaft supported by bearings on these casings so as to be able to rotate freely, a rotor integrated as a single unit with said shaft, and a ring-shaped stator equipped facing said rotor, and wrapped with coils, where not only is said inner casing fitted into and secured within said outer casing, but said stator is interposed between said casings; where said motor is characterized by said outer casing and said inner casing being secured to each other by caulking, adhesive, or welding, and wherein at said outer casing and/or said inner casing is provided with a spring part in order to increase the holding power of said stator by said casings.
2. A motor according to claim 1, wherein a rotational stop means for said stator is provided.
3. A motor according to claim 2, wherein said rotational stop means is formed by the mating of indentations and protrusions between said stator and said outer casing and/or said inner casing.
4. A motor according to claim 1, wherein said outer casing has a large diameter part for the opening side into which said inner casing fits, and a small

diameter part on the end surface side, where a surface to receive said stator is fabricated on the inner surface of the stage that moves from the large diameter part to the small diameter part, and wherein at least one of said coils is equipped in the internal hollow in the small diameter part.

5. A motor according to claim 1, wherein attachment part for attaching said motor to a fitting part are rigidly secured to the end surface of said small diameter part of said outer casing, where attachment holes are fabricated in a position corresponding to said stage part of the attachment part.

6. A motor according to claim 1, wherein at least one of said bearings secured to said outer casing and secured to said inner casing is secured in a state that is protruding to the outside axial direction.

7. A motor according to claim 6, wherein said bearing is attached to said outer casing in a form wherein [said bearing] protrudes to the outside in the axial direction, and wherein said bearing is protected by said attachment part.

8. A motor according to claim 1, wherein said outer casing and said inner casing are fabricated through sheet metal processes.

9. A motor according to claim 1, wherein said motor is a stepping motor.